

Types of Fruits



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Types of Fruits



Indehiscent Fruits

- Dry fruits which do not split along definite lines to release seeds at maturity.

Examples:

- Achene
- Samara
- Caryopsis
- Nut

Achene

- ➔ Seed coat not fused with ovary wall.

Achene: Sunflower Seed



Samara

- ➔ Ovary wall forms a winglike structure.
- ➔ Dry; frequently used for seed dispersal by wind.

Samara:

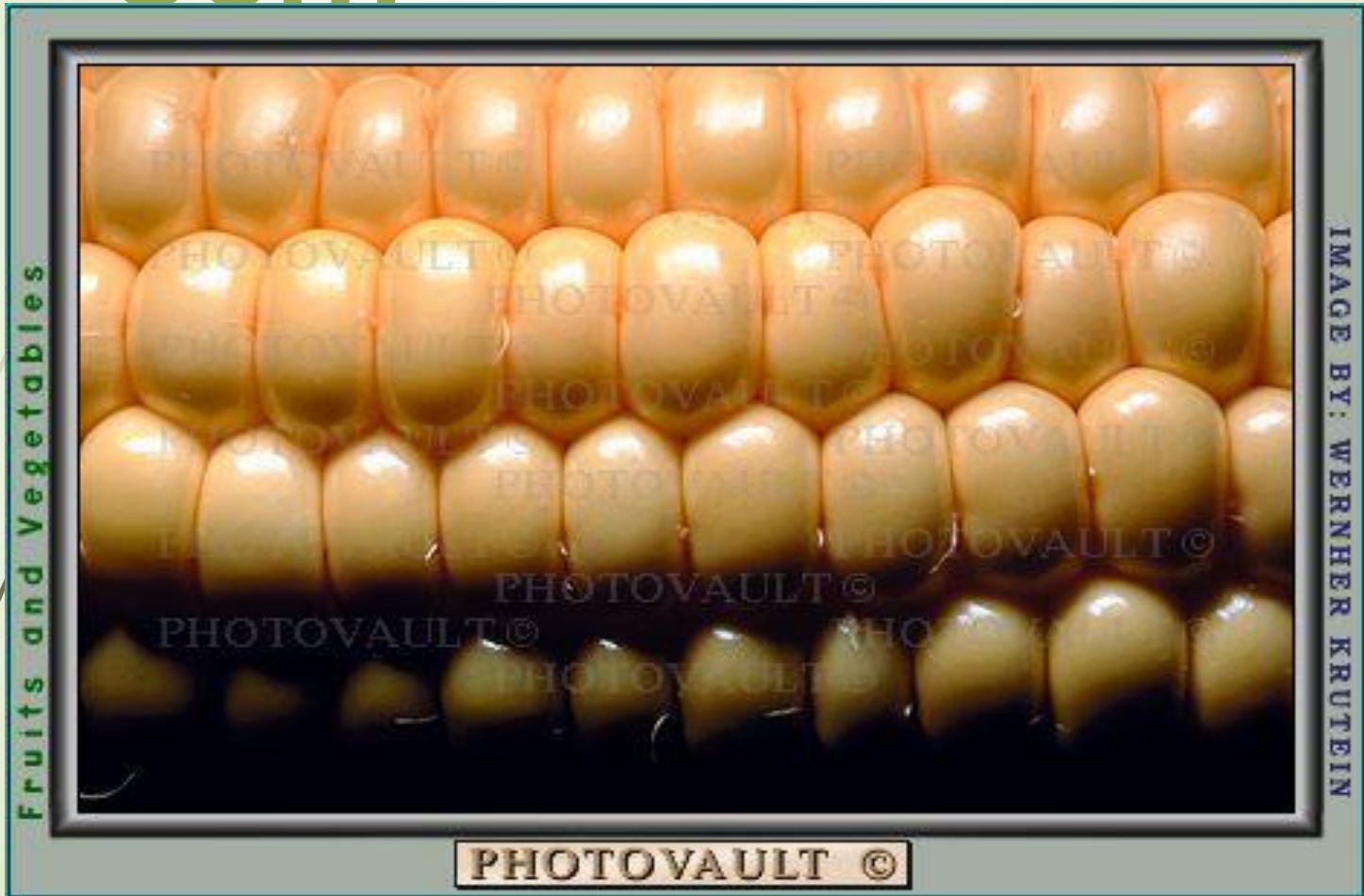


9

Caryopsis (grain)

- ➔ Seed coat fused with ovary wall.

Caryopsis (grain): corn



Nut

- ➔ Ovary wall is tough and woody.

Nut: acorn



Dehiscent fruits

- Fruits which open at maturity to shed their seeds.

Examples:

- Follicle
- Legume
- Capsule

Follicle

➔ Fruit splits open along ONE seed

Follicle: milkweed



Legume

- ➔ Fruit splits open along TWO seams.

Legume: bean



Capsule

- ➔ Fruit opens by various means, usually along more than two seams.

Capsule: lily



Fleshy Fruits

- ➔ Fruit is generally moist and often edible.

Examples:

- Drupe
- Berry
- False Berry
- Hesperidium
- Pome

Drupe

- ➔ Fruit is fleshy all the way out to the covering.
- ➔ Woody interior covering. The seed is covered by a very hard cover. Sometimes these are called stone fruits.

Drupe: plum, peach, almond, 24 cherry



Berry

- ➔ Fruit is fleshy all the way out to the covering, which is usually thin.
- ➔ Interior seeds are NOT covered by a hard coat.

Berry: grape, tomato



False Berry

- Looks like a berry, but often has a harder outer coat. Seeds are clustered in the middle rather than throughout the fruit.

False Berry: cucumber, squash, pumpkin, cantaloupe

28



Hesperidium (not on your key)

- ➔ Outer soft rind which is white on the inside.
- ➔ Citrus Fruits belong here.

Hesperidium: orange, lemon, ³⁰ grapefruit



Pome

- ➔ Fruit is fleshy out to the covering.
- ➔ A few seeds are inside a core which is not eaten because it has a leathery interior coating.

Pome: pear, apple



Aggregate Fruits

- Fruit composed of mature ovaries from separate pistils of one flower
- Example: raspberry, strawberry



Multiple Fruits

- Fruit composed of mature ovaries from several flowers.
- Example: pineapple

